




ENGINEERING CHANGE NOTICE NO. 03209				SHEET 1 OF 2	
DWG NO. 647.9300		REV: N/C	PREPARED BY A. QUAN	DATE: 11/09/11	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.
DWG TITLE: BRACKET					
APPROVED BY:	ENGR 	MFG 	QC 	EFF:	CURRENT ORDER AND STOCK
REASON: REVISED HOLE LOCATIONS ON 647.9314, ADDED HOLE 647.9315					

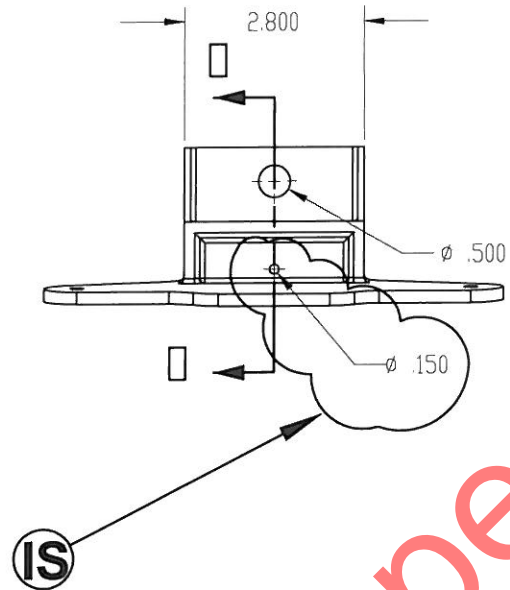
NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.
2. FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR: BLACK;
PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J TYPE I, CLASS N.
3. DEBURR AND BREAK ALL SHARP EDGES.
4. IDENTIFY IAW MPP-120. LASER ENGRAVE CENTURY GOTHIC, 12 POINT P/N AND REVISION.
5. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9310 LH BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
6. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9311 SUPPORT BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
7. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9312 BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
8. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9313 BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
9. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9314 RETAINER BRACKET.SLDPRT, LAST MODIFIED 09-26-11.
10. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9315 RECEPTACLE BRACKET.SLDPRT, LAST MODIFIED 10-19-11.
11. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9316 CRASSBAR BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
12. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9317 RH BRACKET.SLDPRT, LAST MODIFIED 06-22-10.

Technical drawing of a mechanical part, likely a bracket or flange, showing dimensions and a cross-section. The drawing includes a top view and a side view. Key dimensions include: overall width 3.528, overall height 2.804, and various radii (R.529, R.496). A cross-section is shown with a 91.1 degree angle and a .379 thickness. A circular feature has a diameter of .190 and a depth of .201. A section line is labeled 'IS'.

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

SHEET 8, ZONE B5:



F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION

1 2 3 4 5 6 7 8

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE RELEASE: PR1		
N/C	INITIAL RELEASE	06-30-10	P. BRAVO

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.
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6. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9311 SUPPORT BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
7. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9312 BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
8. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9313 BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
9. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9314 RETAINER BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
10. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9315 RECEPTACLE BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
11. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9316 CROSSBAR BRACKET.SLDPRT, LAST MODIFIED 06-22-10.
12. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9317 RH BRACKET.SLDPRT, LAST MODIFIED 06-22-10.

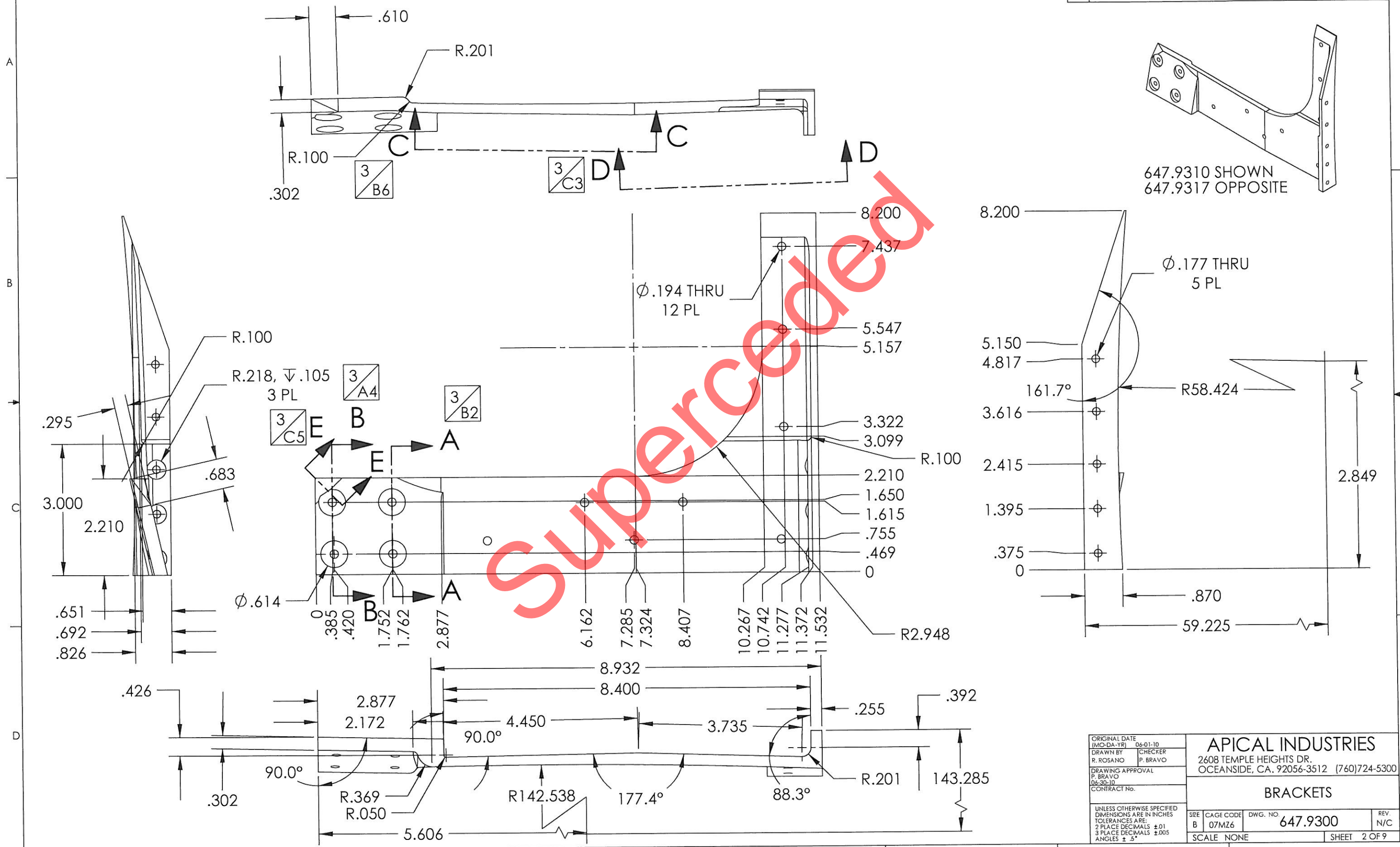
UNINCORPORATED ECN(s)

03209

		647.9317	RH BRACKET	<div>1</div>	<div>2</div> <div>12</div>
		647.9316	CROSSBAR BRACKET	<div>1</div>	<div>2</div> <div>11</div>
		647.9315	RECEPTACLE BRACKET	<div>1</div>	<div>2</div> <div>10</div>
		647.9314	RETAINER BRACKET	<div>1</div>	<div>2</div> <div>9</div>
		647.9313	BRACKET	<div>1</div>	<div>2</div> <div>8</div>
		647.9312	BRACKET	<div>1</div>	<div>2</div> <div>7</div>
		647.9311	SUPPORT BRACKET	<div>1</div>	<div>2</div> <div>6</div>
		647.9310	LH BRACKET	<div>1</div>	<div>2</div> <div>5</div>
	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY			PARTS LIST		
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 06-01-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
647.8900		DRAWN BY R. ROSANO	CHECKER P. BRAVO		
		DRAWING APPROVAL P. BRAVO 06-30-10			
		CONTRACT No.			
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°		BRACKETS	
		SIZE B	CAGE CODE 07M26	DWG. NO. 647.9300	REV. N/C
			SCALE NONE		SHEET 1 OF 9

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

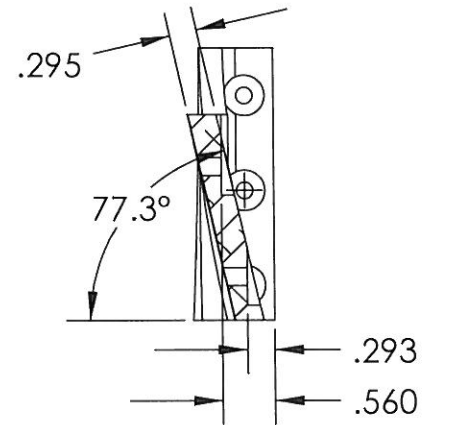


ORIGINAL DATE (MO-DA-YR) 06-01-10		APICAL INDUSTRIES	
DRAWN BY R. ROSANO		2608 TEMPLE HEIGHTS DR.	
CHECKER P. BRAVO		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		BRACKETS	
06-30-10		SCALE NONE	
CONTRACT No.		SHEET 2 OF 9	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		DWG. NO. 647.9300	
SIZE B		REV. N/C	
CAGE CODE 07MZ6			

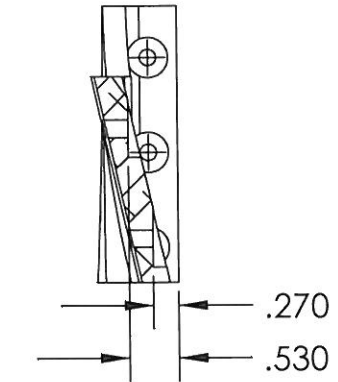
1 2 3 4 5 6 7 8

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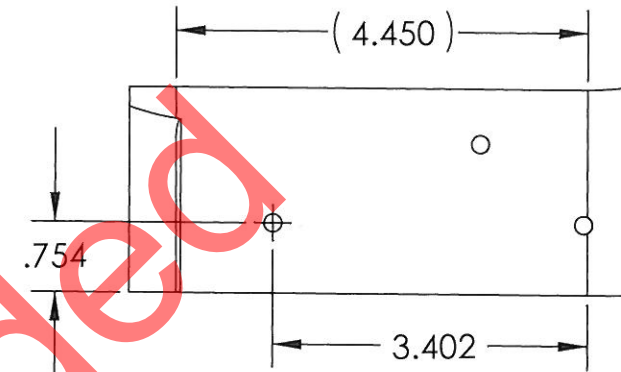
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



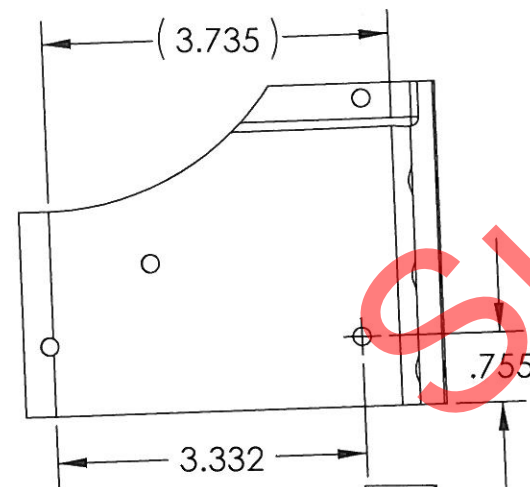
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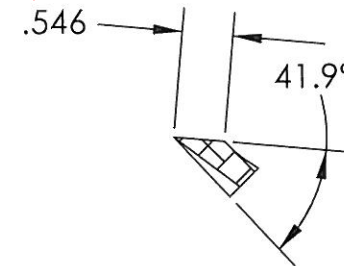
SECTION B-B $\frac{2}{C2}$



SECTION C-C $\frac{2}{A3}$



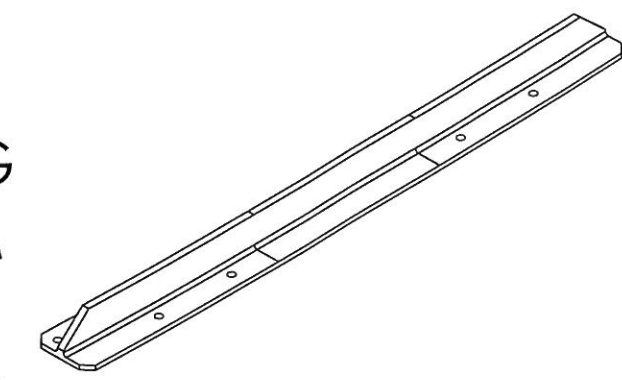
SECTION D-D $\frac{2}{A4}$



SECTION E-E $\frac{2}{C2}$

ORIGINAL DATE (MO-DA-YR) 06-01-10		APICAL INDUSTRIES	
DRAWN BY R. ROSANO	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 06-30-10		BRACKETS	
CONTRACT No.		SIZE B	REV. N/C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 647.9300
		SCALE NONE	SHEET 3 OF 9

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

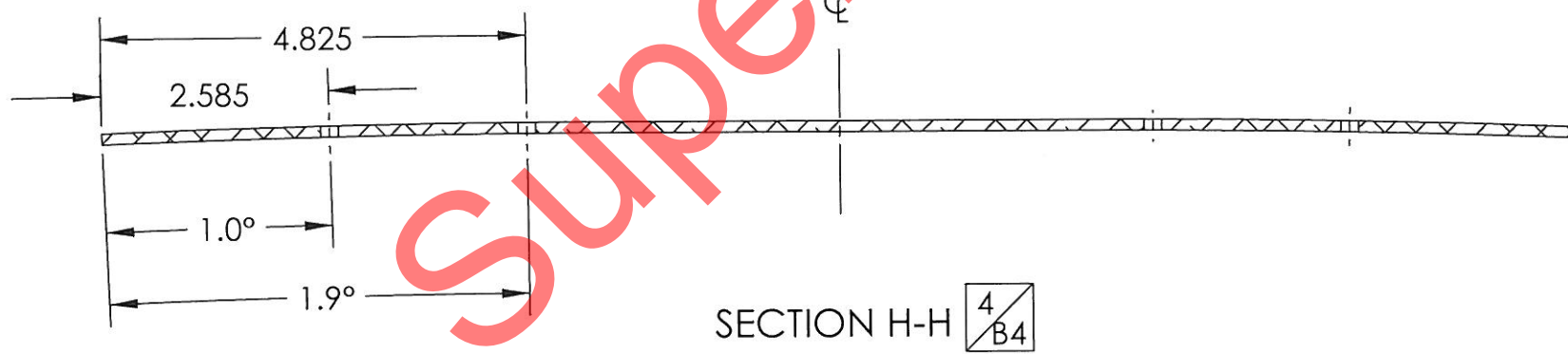
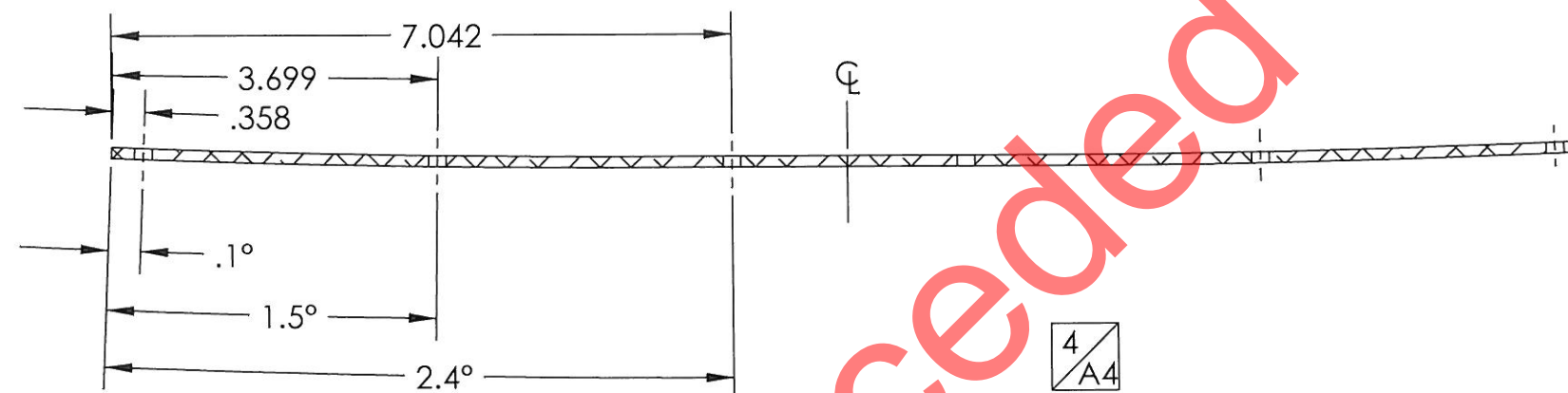


ORIGINAL DATE (MM-DD-YR)	06-01-10	<h1>APICAL INDUSTRIES</h1> <p>2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300</p>			
DRAWN BY	CHECKER				
P. ROSANO	P. BRAVO				
DRAWING APPROVAL P. BRAVO					
06-30-10		<h2>BRACKETS</h2>			
CONTRACT No.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.013 3 PLACE DECIMALS ±.010 4 ANGLES		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.9300	REV. N/C
SCALE NONE			SHEET	4 OF 9	

1 2 3 4 5 6 7 8

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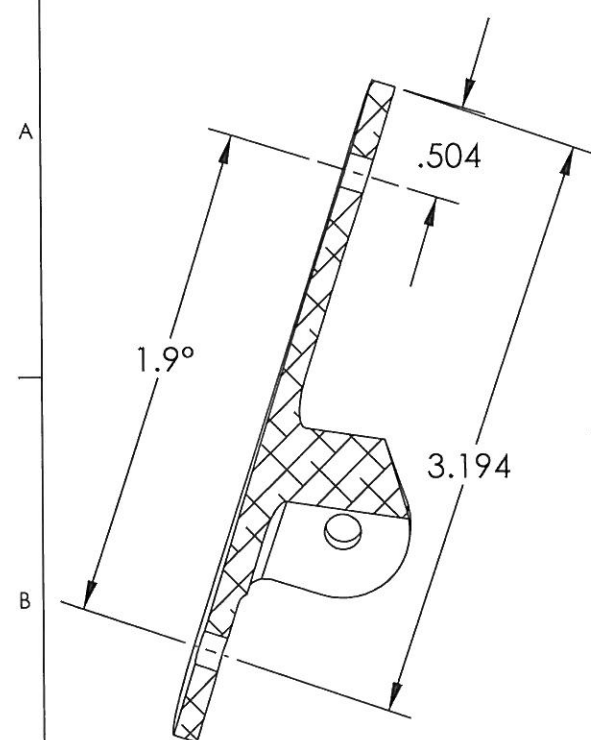
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



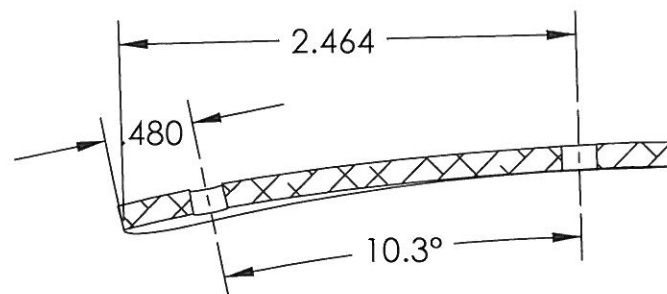
ORIGINAL DATE (MO-DA-YR) 06-01-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 06-30-10		BRACKETS	
CONTRACT No.		SIZE B	REV. N/C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		DWG. NO. 647.9300	
SCALE NONE		SHEET 5 OF 9	

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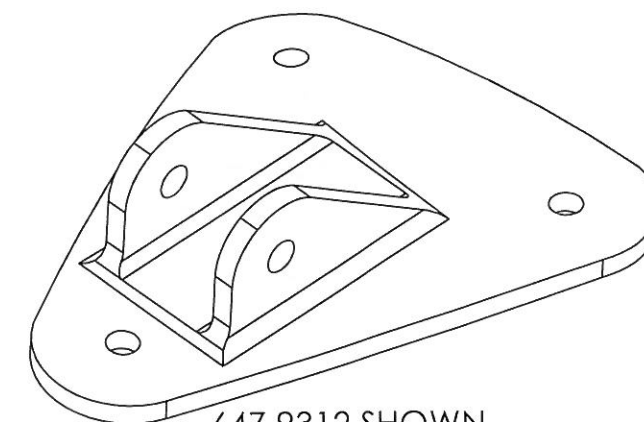
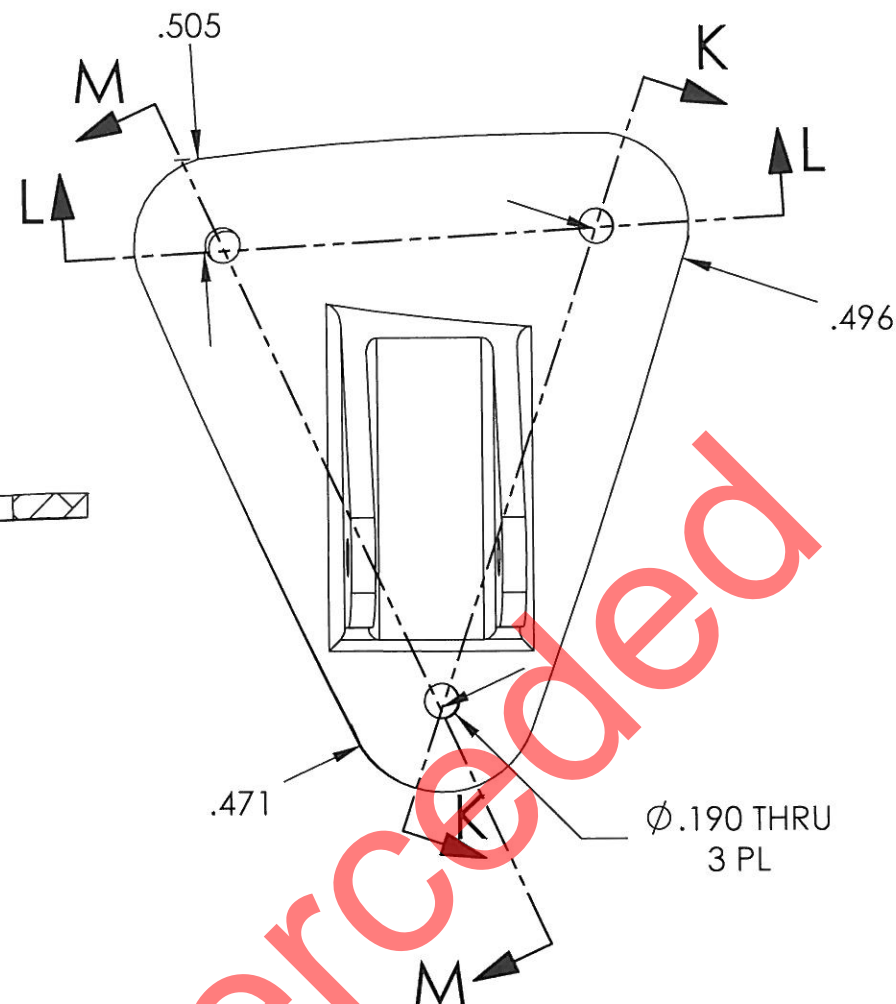
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



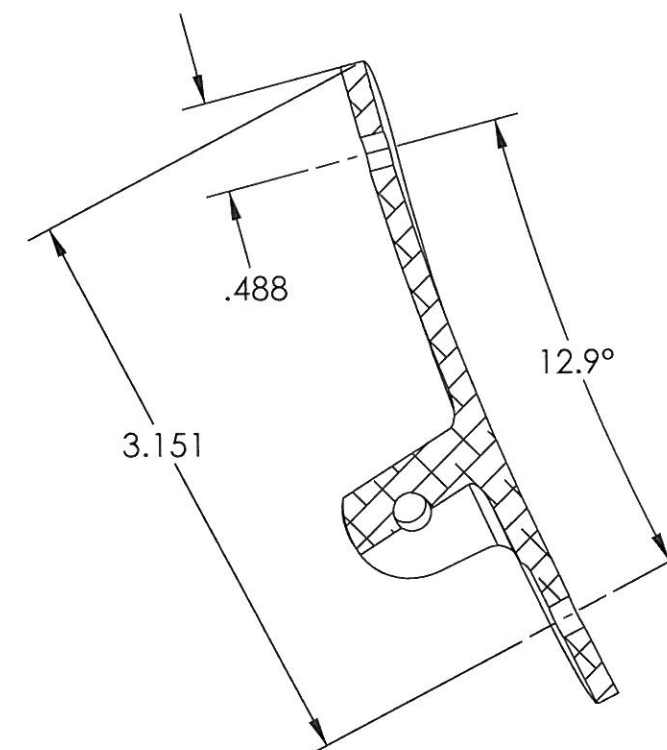
SECTION K-K



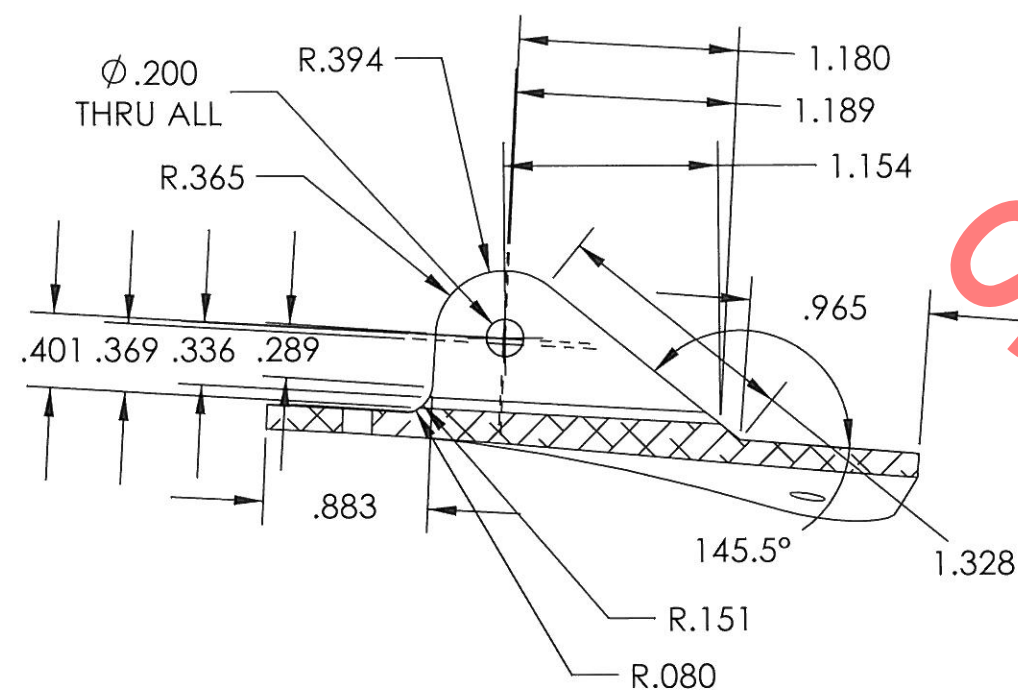
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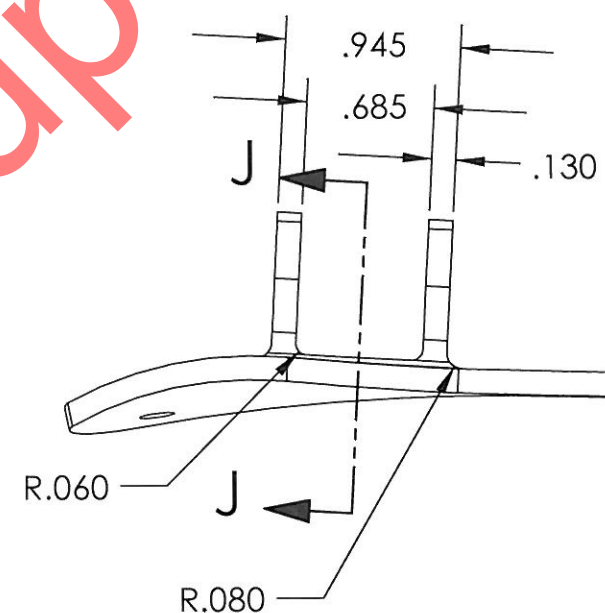
647.9312 SHOWN
647.9313 OPPOSITE



SECTION M-M



SECTION J-J

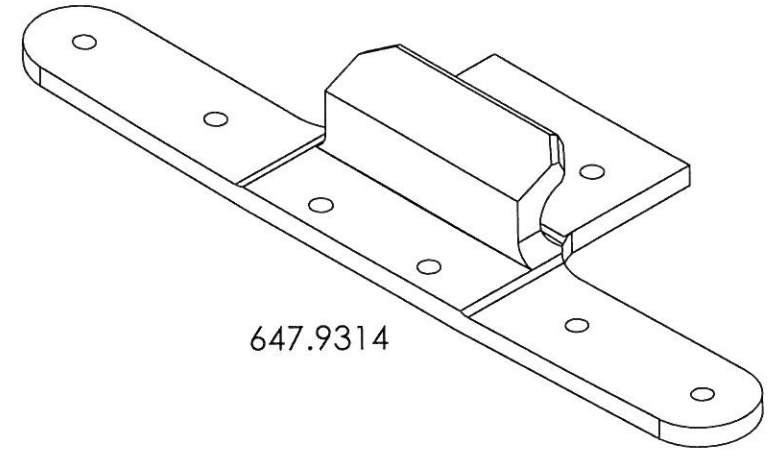
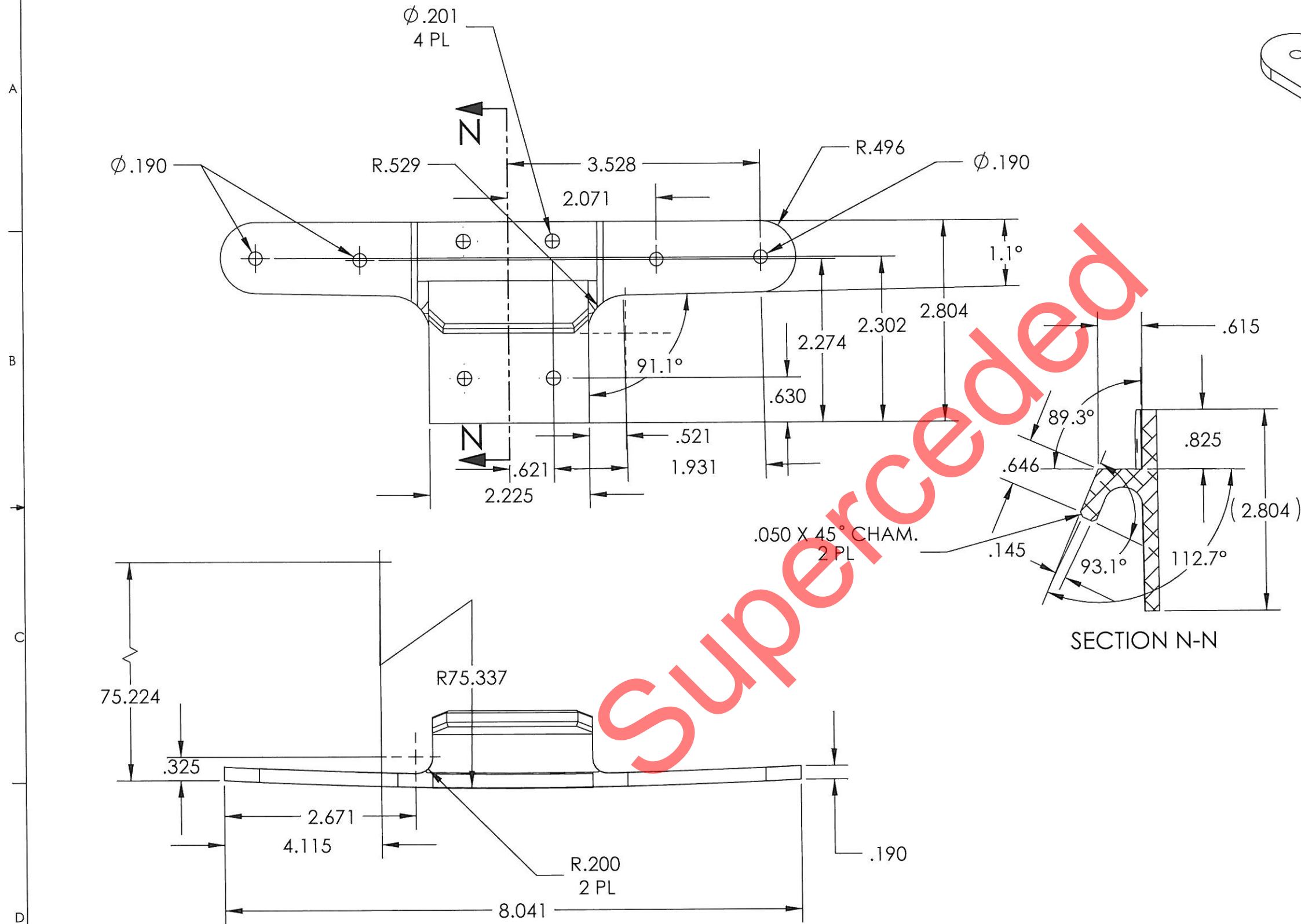


PARTS LIST

ORIGINAL DATE (MO-DA-YR) 06-01-10		APICAL INDUSTRIES			
DRAWN BY R. ROSANO		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
CHECKER P. BRAVO		BRACKETS			
DRAWING APPROVAL P. BRAVO 06-30-10					
CONTRACT No.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.9300	REV. N/C
		SCALE NONE		SHEET 6 OF 9	

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REVISIONS			
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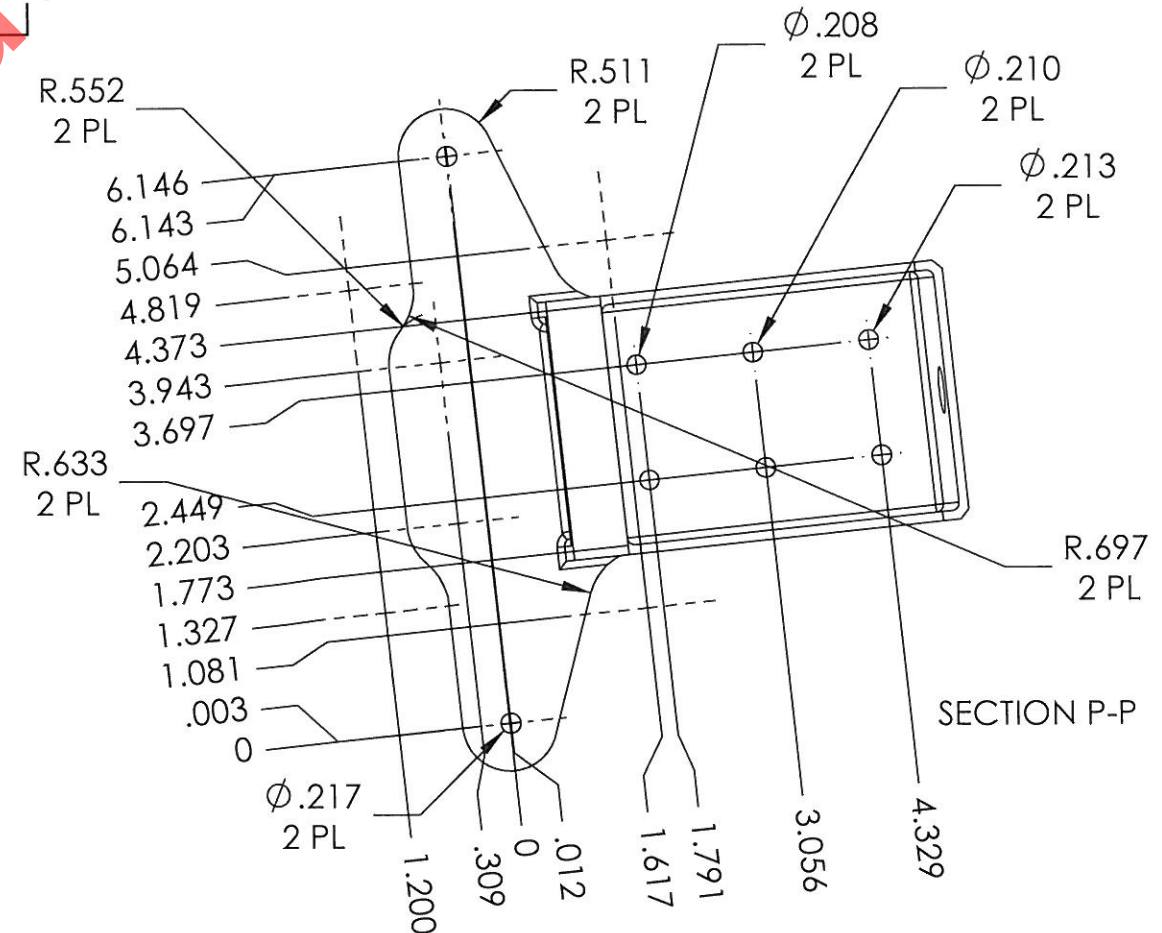
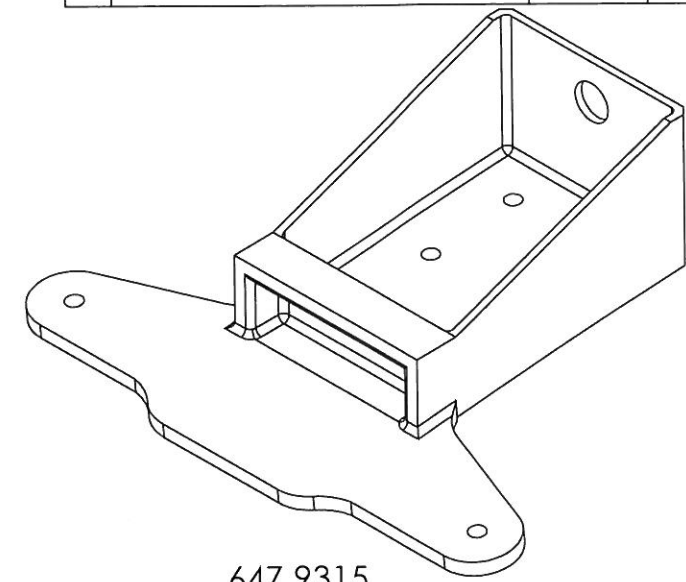
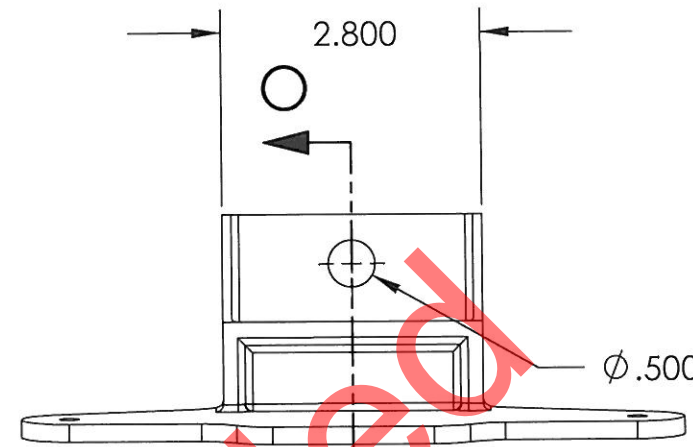
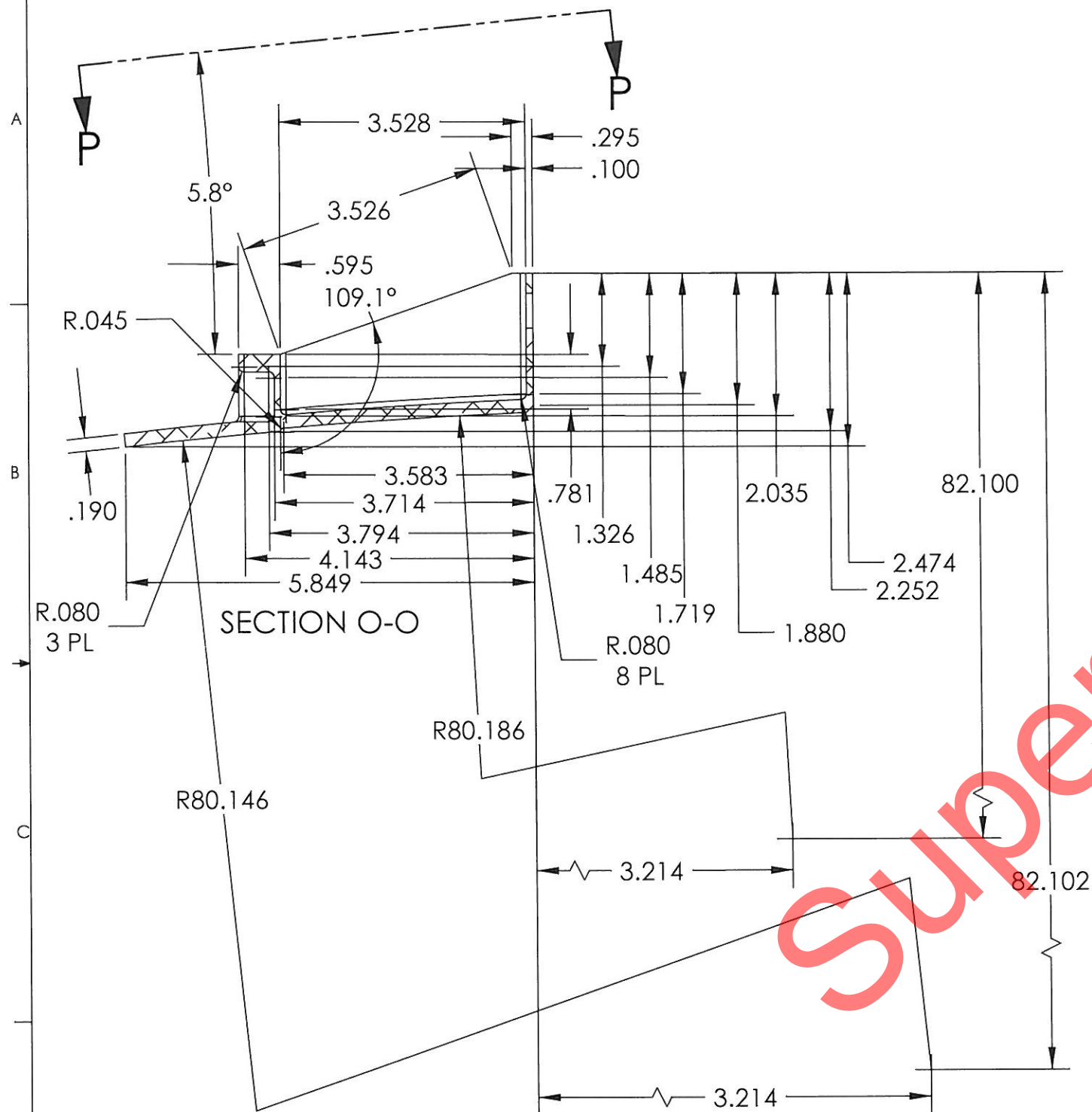


ORIGINAL DATE (MO-DA-YR) 06-01-10	APICAL INDUSTRIES
DRAWN BY R. ROSANO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300
CHECKER P. BRAVO	BRACKETS
DRAWING APPROVAL P. BRAVO	SIZE CAGE CODE DWG. NO. REV.
06-30-10	B 07M26 647.9300 N/C
CONTRACT No.	SCALE NONE SHEET 7 OF 9
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .03$ 3 PLACE DECIMALS $\pm .010$ ANGLES $\pm .5^\circ$	

1 2 3 4 5 6 7 8

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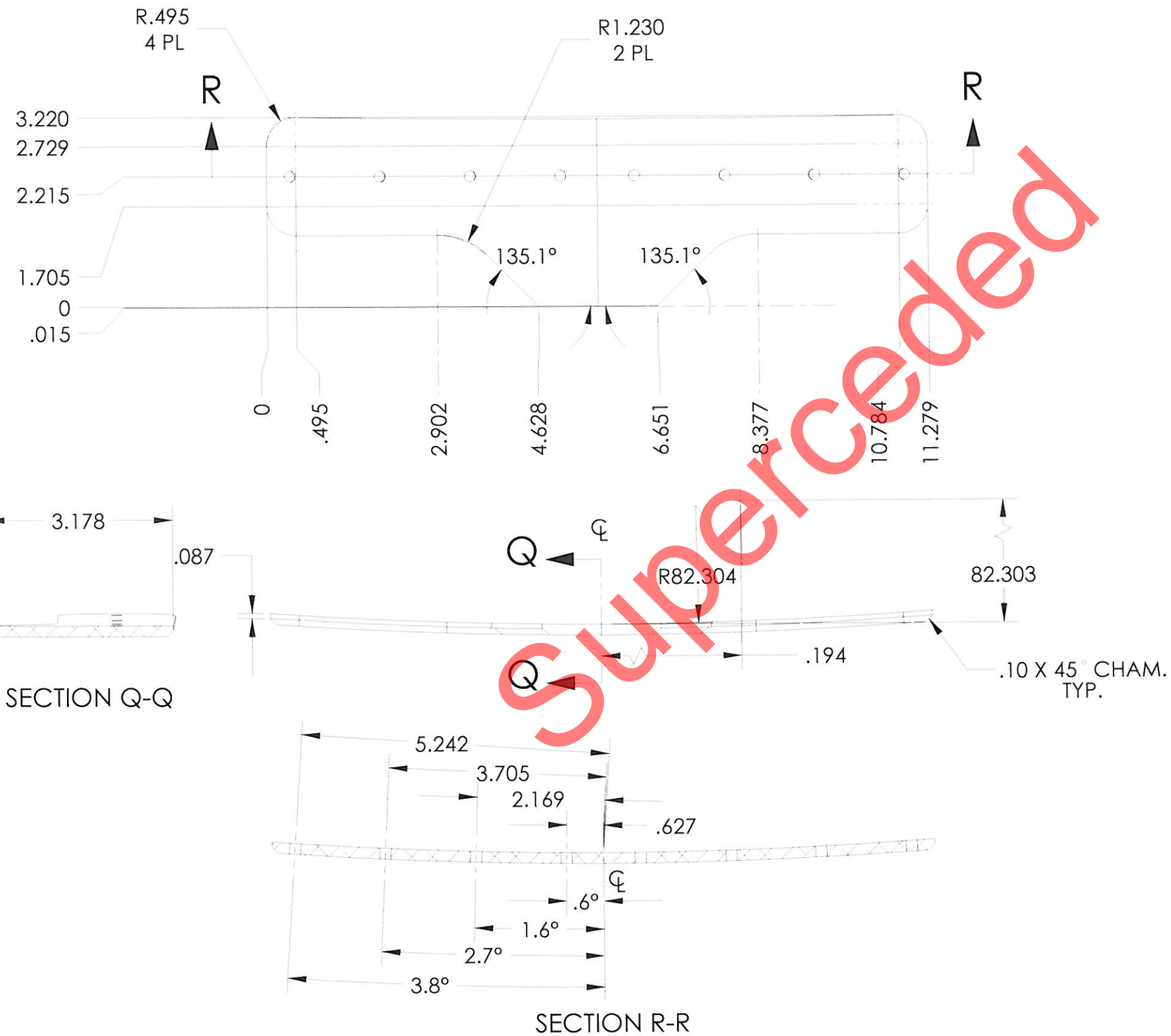
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



ORIGINAL DATE (MO-DA-YR) 06-01-10	APICAL INDUSTRIES		
DRAWN BY R. ROSANO	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO	BRACKETS		
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°	SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.9300
SCALE NONE		REV. N/C	

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



647.9316

ORIGINAL DATE (MO-DA-YR) 06-01-10		APICAL INDUSTRIES	
DRAWN BY R. ROSANO		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER P. BRAVO		BRACKETS	
DRAWING APPROVAL P. BRAVO		REV. N/C	
06-30-10		DWG. NO. 647.9300	
CONTRACT No.		SCALE NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS -.03 3 PLACE DECIMALS -.010 ANGLES -.5°		SHEET 9 OF 9	